

Appendix B

States with Regulations/Requirements Applicable to Small-Scale Wastewater Treatment Facilities

Table B-1
State Regulatory Contacts

Alabama

Department of Public Health
Division of Community Environmental Protection
434 Monroe St.
Montgomery, AL 36130-1701
(334) 613-5373

Alaska

Department of Environmental Conservation
Domestic Wastewater Program
410 Willoughby Ave., Suite 105
Juneau, AK 99801-1795
(907) 465-5324

Arizona

Department of Environmental Quality
Technical Review of Water and Wastewater Facilities
3033 N. Central Ave.
Phoenix, AZ 85012
(602) 207-4440
(602) 207-2300

Arkansas

Department of Health
Division of Environmental Health Protection
4815 W. Markham St., Slot 46
Little Rock, AR 72205
(501) 661-2171

California

California does not have state regulations. A list of county Public Health Department phone numbers and addresses can be provided upon request.

Colorado

Department of Public Health and Environment
Water Quality Control Division
4300 Cherry Creek Dr. South
Denver, CO 80222-1530
(303) 692-3500

Connecticut

Department of Public Health
410 Capitol Avenue
MS #51 SEW
PO Box 340308
Hartford, CT 06134-0308
(860) 509-7296

Environmental Health Services Division
On-Site Sewage Disposal Section
150 Washington St
Hartford, CT 06106
(203) 240-9277

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Delaware

Underground Discharges Branch
Division of Water Resources
Department of Natural Resources and Env. Control
89 Kings Highway
PO Box 1401
Dover, DE 19903
(302) 739-4762

Florida

Department of Health and Rehabilitative Service
On-Site Sewage Program
1317 Winewood Blvd.
Tallahassee, FL 32399-0700
(904) 488-4070

Georgia

Georgia does not have state regulations. A list of county Public Health Department phone numbers and addresses can be provided upon request.

Hawaii

Department of Health
Wastewater Branch
Environmental Management Division
919 Ala Moana Blvd.
Suite 309
Honolulu, HI 96814
(808) 586-4294

Idaho

Department of Health and Welfare
Division of Environmental Quality
1410 N. Hilton, 2nd Flr.
Boise, ID 83706
(208) 334-5860

Illinois

Department of Public Health
Division of Environmental Health
525 W. Jefferson St.
Springfield, IL 62761
(217) 782-5830

Indiana

Department of Health
Division of Sanitary Engineering
1330 W. Michigan St.
PO Box 1964
Indianapolis, IN 46206-1964
(317) 383-6100
(317) 383-6160

Iowa

Department of Natural Resources
Wallace State Office Bldg.
900 E. Grand Ave.
Des Moines, IA 50319-0034
(515) 281-7814
(515) 281-6599

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Kansas

Department of Health and Environment
Municipal Section Program
Division of the Environment, Bureau of Water
Non-Point Source Section
Forbes Field, Bldg. 283
Topeka, KS 66620-0001
(913) 296-1683

Kentucky

Cabinet for Human Resources
Environmental Management Branch
275 E. Main St.
Frankfurt, KY 4062-0001
(502) 564-4856

Louisiana

Department of Health and Hospitals
Office of Public Health
Sanitarian Services
PO Box 60630
New Orleans, LA 70160
(504) 568-5181
(504) 568-8343

Maine

Department of Human Services
Health Engineering
State House Station 10
Augusta, ME 04333
(207) 287-5684

Maryland

Department of Environment
Water Management Administration
2500 Broening Highway
Baltimore, MD 21224
(410) 631-3779

Massachusetts

Department of Environmental Protection
Division of Water Pollution Control
One Winter St., 8th Floor
Boston, MA 01018
(617) 292-5837

Michigan

Michigan does not have state-level regulations. A list of county Public Health Departments phone numbers can be provided upon request.

Minnesota

Pollution Control Agency
Water Quality Division
Nonpoint Source Compliance Section
520 Lafayette Rd.
St. Paul, MN 55155-4194
(612) 296-8762

Mississippi

State Department of Health
PO Box 1700
Jackson, MS 39215-1700
(601) 960-7690

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Missouri

Department of Health
PO Box 570
Jefferson City, MO 65102-0570
(314) 751-5937

Montana

Department of Environmental Quality
Permit and Compliance Division
Metcalf Building
PO Box 200901
Helena, MT 59620-0901
(406) 444-2825
(406) 444-5344

Nebraska

Department of Environmental Quality
Ground Water Section
PO Box 98922
Lincoln, NE 68509-8922
(402) 471-2580

Nevada

State Health Division
Bureau of Health Protection Services
505 E. King St., Rm. 103
Capital Complex
Carson City, NV 89710
(702) 687-6353

New Hampshire

Department of Environmental Services
Bureau of Wastewater Treatment
6 Hazen Dr.
PO Box 95
Concord, NH 03301
(603) 271-3711

New Jersey

Department of Environmental Protection
Division of Water Quality
Bureau of Operational Ground Water Permits
Box CN029
Trenton, NJ 08625-0029
(609) 292-0407

New Mexico

Environment Department
Drinking Water and Community Services Bureau
Liquid Waste Program
525 Camino De Los Marquez Suite #4
Santa Fe, NM 87502
(505) 827-7536

Liquid Waste Program
Ground Water Bureau
PO Box 26110
Santa Fe, New Mexico 87502
(505) 827-2788

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New York

Department of Health
Bureau of Community Sanitation and Food Protection
Room 404
2 University Place
Albany, NY 12203-3399
(518) 458-6706

North Carolina

Dept. of Environment, Health and Natural Resources
Division of Environmental Health
ON-Site Wastewater Section
PO Box 27687
Raleigh, NC 27611-7687
(919) 733-2895

North Dakota

State Plumbing Board
204 W. Thayer Ave.
Bismark, ND 58501
(701) 328-9977
(701) 221-5210

Ohio

Department of Health
Receiving Department (PWS and HSD)
246 N. High St.
Columbus, OH 43266-0588
(614) 466-1390

Oklahoma

Department of Environmental Quality
Water Quality Division (ECLS)
1000 NE 10th St.
Oklahoma City, OK 73117-1212
(405) 271-7363
(405) 271-5205

Oregon

Department of Environmental Quality
Water Quality Division
811 SW 6th Ave.
Portland, OR 97204-1390
(503) 229-6443

Pennsylvania

Department of Environmental Resources
Division of Municipal Planning and Finance
Rachael Carson State Office Building
400 Market St., 10th Floor
Harrisburg, PA 17101-2301
(717) 787-3481
(717) 783-1530

Rhode Island

Department of Environmental Management
Division of Groundwater and ISDS
ISDS Section
291 Promenade St.
Providence, RI 02908-5767
(401) 277-4700 Ext. 7700

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South Carolina

Department of Health and Environmental Control
Division of Onsite Wastewater Management
Bureau of Environmental Health
2600 Bull St.
Columbia, SC 29201
(803) 935-7835

South Dakota

Dept. of Environment and Natural Resources
Air and Surface Water Program
Joe Foss Bldg.
523 E. Capitol
Pierre, SD 57501
(605) 773-3351

Tennessee

Dept. of Environment and Conservation
Division of Groundwater Protection
Tenth Floor L & C Tower
401 Church St.
Nashville, TN 37243-1540
(615) 532-0761

Texas

Natural Resource Conservation Commission
PO Box 13087
Austin, TX 78711-3087
(512) 239-1000

Utah

Department of Environmental Quality
Division of Water Quality
288 N. 1460 West
PO Box 144870
Salt Lake City, UT 84114-4870
(801) 538-6146

Vermont

Wastewater Management Division
103 S. Main St.
Sewing Bldg.
Waterbury, VT 05671-0405
(802) 241-3027
(802) 241-3822

Virginia

Office of Environmental Health Services
Main Street Station
Suite 117
PO Box 2448
Richmond, VA 23218-2448
(804) 786-1750
(804) 786-3559

Washington

State Department of Health
Community Environmental Health Programs LD-11
Building 2, Airdustrial Center
PO Box 47826
Olympia, WA 98504-7826
(360) 586-8133
(360) 586-1249

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West Virginia

Office of Environmental Health
Public Health Sanitation Division
815 Quarrier St.
Suite 418
Charleston, WV 25301-2616
(304) 558-2981
(304) 725-0348

Wisconsin

Department of Industry, Labor and Human Relations
201 E. Washington Ave. Room 141
Madison, WI 53707
(608) 366-0056

Wyoming

Department of Environmental Quality
Water Quality Division
Herschler Building
122 West 25th St.
Cheyenne, WY 82002
(307) 777-7075

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Table B-2
State Regulatory Requirements (NSFC-4, NSFC-5, NSFC-6, NSFC-5, and NSFC-8)

State	NPDES State	Specific Area				
		Application Rate & Fields Sizing	Graywater Systems	No-Flow Toilet	Percolation Tests	Septic Tanks
Alabama	Yes	✓	✓	✓	✓	✓
Alaska	No	✓				✓
Arizona	No	✓	✓		✓	✓
California	Yes					
Colorado	No	✓		✓	✓	✓
Connecticut	Yes	✓	✓	✓	✓	✓
Delaware	No	✓			✓	✓
Florida	No	✓	✓	✓		✓
Georgia	Yes					
Hawaii	Yes	✓	✓	✓		✓
Idaho	No	✓				✓
Illinois	Yes	✓		✓	✓	✓
Indiana	Yes	✓				✓
Iowa	Yes	✓		✓	✓	✓
Kansas	Yes	✓			✓	✓
Kentucky	Yes	✓	✓		✓	✓
Louisiana	No	✓		✓	✓	✓
Maine	No	✓	✓	✓		✓
Maryland	Yes	✓		✓	✓	✓
Massachusetts	No	✓		✓	✓	✓
Michigan	Yes					
Minnesota	Yes	✓	✓	✓	✓	✓
Mississippi	Yes	✓		✓		✓
Missouri	Yes	✓			✓	✓
Montana	Yes	✓			✓	✓
Nebraska	Yes	✓			✓	✓
New	No	✓			✓	✓
New Jersey	Yes	✓	✓		✓	✓
New Mexico	No	✓			✓	✓
New York	Yes	✓	✓	✓	✓	✓
North Carolina	Yes	✓		✓		✓
North Dakota	Yes	✓		✓	✓	✓
Ohio	Yes					✓
Oklahoma	No	✓			✓	✓
Oregon	Yes	✓	✓	✓		✓
Pennsylvania	Yes	✓		✓	✓	✓
Rhode Island	Yes	✓		✓	✓	✓
South Carolina	Yes	✓		✓		✓
South Dakota	No	✓	✓	✓	✓	✓
Tennessee	Yes	✓			✓	✓
Texas	No	✓	✓		✓	✓
Utah	Yes	✓			✓	✓
Vermont	Yes	✓			✓	✓
Virginia	Yes	✓		✓	✓	✓
Washington	No	✓		✓		✓
West Virginia	Yes	✓			✓	✓
Wisconsin	Yes	✓			✓	✓
Wyoming	Yes	✓	✓	✓	✓	✓

Table B-3
States With Specific Design Criteria For Wastewater Treatment System (NSFC-8)

State	Treatment Category*							On-Site Systems
	Pre-Treatment	Primary Treatment	Secondary Treatment	Activated Sludge	Ponds and Lagoons	Disinfection	Sludge Treatment and Management	
Alabama	✓							✓
Alaska								✓
Arizona	✓	✓	✓	✓		✓	✓	✓
Arkansas								✓
California	✓	✓						✓
Colorado	✓	✓		✓	✓	✓		✓
Connecticut	✓	✓	✓	✓	✓	✓	✓	✓
Delaware								✓
Florida								✓
Georgia								✓
Hawaii								✓
Idaho								✓
Illinois	✓	✓	✓	✓	✓	✓	✓	✓
Indiana								✓
Iowa	✓	✓	✓	✓	✓	✓	✓	✓
Kansas		✓	✓	✓	✓	✓	✓	✓
Kentucky								✓
Louisiana								✓
Maine	✓	✓	✓	✓	✓	✓	✓	✓
Maryland	✓	✓	✓	✓	✓	✓	✓	✓
Massachusetts	✓	✓	✓	✓	✓	✓	✓	✓
Michigan								✓
Minnesota		✓	✓	✓	✓			✓
Mississippi								✓
Missouri								✓
Montana								✓
Nebraska								✓
Nevada								✓
New Hampshire	✓	✓	✓	✓	✓	✓	✓	✓
New Jersey	✓	✓	✓	✓	✓	✓	✓	✓
New Mexico	✓	✓	✓	✓	✓	✓	✓	✓
New York								✓
North Carolina								✓
North Dakota								✓
Ohio								✓

* See Table B-4 for definitions of treatment categories.

(Continued)

Table B-3 (Concluded)

State	Treatment Category*							
	Pre-Treatment	Primary Treatment	Secondary Treatment	Activated Sludge	Ponds and Lagoons	Disinfection	Sludge Treatment and Management	On-Site Systems
Oklahoma	✓	✓	✓	✓	✓	✓	✓	✓
Oregon								✓
Pennsylvania	✓	✓	✓	✓	✓	✓	✓	✓
Rhode Island								✓
South Carolina								✓
South Dakota					✓	✓		✓
Tennessee	✓	✓	✓	✓	✓	✓	✓	✓
Texas	✓	✓	✓	✓	✓	✓	✓	✓
Utah	✓	✓	✓	✓	✓	✓	✓	✓
Vermont	✓	✓	✓	✓	✓	✓	✓	✓
Virginia	✓	✓	✓	✓	✓	✓	✓	✓
Washington	✓	✓	✓	✓	✓	✓		✓
West Virginia	✓	✓	✓	✓	✓	✓	✓	✓
Wisconsin	✓	✓	✓	✓	✓	✓	✓	✓
Wyoming	✓	✓	✓	✓	✓	✓	✓	✓

Table B-4
Categories in Wastewater Treatment Plants as Defined by State Design Criteria Shown in Table B-3

Treatment Category	State Definition
Pre-Treatment	Major categories of pre-treatment processes include bar screens, grit removal facilities, and flocculation.
Primary Treatment	Major categories of primary treatment included primary clarifiers and chemical coagulation (in settling tanks).
Secondary Treatment	The three categories of secondary treatment include attached growth, activated sludge, and ponds and lagoons.
Activated Sludge	The two main regulated components of activated sludge are aeration and secondary settling tanks. Design parameters for activated sludge systems are often dependent upon the specific type of activated sludge system utilized; key parameters typically regulated include aeration time, space loading, MLSS concentration, loading factor, sludge age, recirculation factor, side water depth, and surface overflow rate.
Ponds and Lagoons	Major categories of ponds and lagoons include stabilization ponds (subcategorized into primary cells and total pond), aerated ponds systems, and aerated facultative lagoons. Key parameters typically regulated include surface loading rate, design loading, water depth, detention time, and the physical dimension of the pond and dike.
Disinfection	The sole disinfection category considered is chlorination. Key parameters typically regulated include contact time and dosing capacity for a multitude of conditions (e.g., raw sewage, primary sedimentation effluent, trickling filter plant effluent, etc.). For those states that regulate the same parameters, there is close consensus on values.
Sludge Treatment and Management	Major categories of sludge treatment and management include Imhoff tanks, anaerobic digestion, aerobic digestion, heat conditioning, composting, sludge thickening (gravity thickening and dissolved air flotation), and sludge dewatering (vacuum filtration, sludge drying and incineration, sludge drying beds, and shallow sludge lagoons). Key parameters typically regulated include solids loading rate, side water depth, and physical dimensions of a specific technology.
On-Site Systems	This section contains the state summary table for on-site systems. Within this general category are the subcategories of septic tanks, distribution boxes, aerobic biological systems, subsurface trench or bed, low pressure distribution systems, siphons, absorption or seepage pits, sand filters, elevated sand mounds, wastewater ponds, and vault privies.